



SFUND RECORDS CTR  
**88072817**

**ICF Consulting / Laboratory Data Consultants**

Environmental Services Assistance Team, Region 9  
1337 South 46<sup>th</sup> Street, Building 201, Richmond, CA 94804-4698  
Phone: (510) 412-2300 Fax: (510) 412-2304

MEMORANDUM

TO: Nancy Riveland-Har  
Remedial Project Manager  
Cleanup Section 4, SFD-7-4

THROUGH: Rose Fong *RF*  
ESAT Project Officer  
Quality Assurance (QA) Office, PMD-3

FROM: Doug Lindelof *DL*  
Data Review and QA Document Review Task Manager  
Environmental Services Assistance Team (ESAT)

ESAT Contract No.: 68-W-01-028  
Task Order No.: B01  
Technical Direction No.: B0105128 Amendment 2

DATE: July 17, 2002

SUBJECT: Review of Analytical Data, Tier 3

Attached are comments resulting from ESAT Region 9 review of the following analytical data:

SITE:	Omega Chem OU-2
SITE ACCOUNT NO.:	09 BC LA02
CERCLIS ID NO.:	CAD042245001
CASE NO.:	30499
SDG NO.:	Y0GP9
LABORATORY:	Clayton Group Services (CLAYTN)
ANALYSIS:	Volatiles
SAMPLES:	20 Water Samples
COLLECTION DATE:	May 28, 29, 30, and 31, 2002
REVIEWER:	Denise McCaffrey, ESAT/LDC

The comments and qualifications presented in this report have been reviewed by the EPA Task Order Project Officer (TOPO) for the ESAT Contract, whose signature appears above.

If there are any questions, please contact Rose Fong (QA Program/EPA) at (415) 972-3812.

Attachment

cc: Cecilia Moore, CLP PO USEPA Region 5  
Steve Remaley, CLP PO USEPA Region 9  
ESAT File

CLP PO: ☐ FYI ☒ Attention ☐ Action

SAMPLING ISSUES: ☒ Yes ☐ No

## Data Validation Report

Case No.: 30499      SDG No.: Y0GP9  
Site: Omega Chem OU-2  
Laboratory: Clayton Group Services (CLAYTN)  
Reviewer: Denise McCaffrey, ESAT/LDC  
Date: July 17, 2002

### I. Case Summary

#### SAMPLE INFORMATION:

Samples: Y0GP9, Y0GQ0, Y0GQ1, Y0GQ2, Y0GQ3, Y0GQ4,  
Y0GQ5, Y0GQ6, Y0GQ7, Y0GQ8, Y0GQ9, Y0GR0,  
Y0GR1, Y0GR2, Y0GR3, Y0GR4, Y0GR5, Y0GR6,  
Y0GR7, and Y0GR8  
Concentration and Matrix: Low Level Water  
Analysis: Volatiles  
SOW: OLC03.2  
Collection Date: May 28, 29, 30, and 31, 2002  
Sample Receipt Date: May 29, 30, 31, and June 1, 2002  
Extraction Date: Not Applicable  
Analysis Date: June 3, 4, 5, 6, and 7, 2002

#### FIELD QC:

Trip Blanks (TB): Y0GP9, Y0GQ6, Y0GQ9, and Y0GR5  
Field Blanks (FB): Not Provided  
Equipment Blanks (EB): Y0GR4  
Background Samples (BG): Not Provided  
Field Duplicates (D1): Y0GQ1 and Y0GQ2  
Field Duplicates (D2): Y0GR8 and Y0GR9 (see Additional Comments)

#### METHOD BLANKS AND ASSOCIATED SAMPLES:

VBLKLY: Y0GP9, Y0GQ0, Y0GQ1, Y0GQ4, and Y0GQ5  
VBLKLZ: Y0GQ5DL, Y0GQ6, Y0GQ7, Y0GQ8, Y0GQ8DL, Y0GQ9,  
and Y0GR0  
VBLKLA: Y0GR1, Y0GR2, Y0GR2MS, Y0GR2MSD, Y0GR3,  
Y0GR4, Y0GR5, and Y0GR8  
VBLKLB: Y0GR6, Y0GR7, and Y0GR8DL  
VBLKLC: Y0GQ2, Y0GQ3, and VHLKLA

#### TABLES:

- 1A: Analytical Results with Qualifications
- 1B: Data Qualifier Definitions for Organic Data Review

MS- Matrix Spike, MSD - Matrix Spike Duplicate, DL - Dilution

CLP PO ACTION:

None.

CLP PO ATTENTION:

- 1) Detected results for several analytes are qualified as nondetected and estimated (U,J) due to contamination in the storage blank, trip blank, and equipment blank.
- 2) Detected results and quantitation limits for several analytes are qualified as estimated (J) due to calibration problems.

SAMPLING ISSUES:

Detected results for bromoform are qualified as nondetected and estimated (U,J) due to contamination in trip blank Y0GQ9 and equipment blank Y0GR4.

ADDITIONAL COMMENTS:

Results for sample Y0GR9, the field duplicate of sample Y0GR8, are included in Case No. 30499, SDG No. Y0GR9.

Tentatively identified compounds (TICs) detected in the samples are reported on Form 1Fs and are attached to this report.

Standard preparation logs are missing in the data package and cannot be evaluated. This information was requested from the laboratory but has not been received to date. Data are not qualified in this report due to missing standard preparation logs. Refer to the attached telephone record log for details.

This report was prepared in accordance with the following documents:

- ESAT Region 9 Standard Operating Procedure 901, *Guidelines for Data Review of Contract Laboratory Program Analytical Services (CLPAS) Volatile and Semivolatile Data Packages*;
- *USEPA Contract Laboratory Program Statement of Work for Low Concentration Organics Analysis*, OLC03.2, December 2000; and
- *USEPA Contract Laboratory Program National Functional Guidelines for Low Concentration Organic Data Review*, June 2001

## II. Validation Summary

	Acceptable/Comment	
HOLDING TIMES	YES	
GC/MS TUNE/GC PERFORMANCE	YES	
INITIAL CALIBRATIONS	YES	
CONTINUING CALIBRATIONS	NO	B
LABORATORY BLANKS	NO	A
FIELD BLANKS	NO	A
DEUTERATED MONITORING COMPOUNDS (DMCs)	YES	
MATRIX SPIKE/DUPLICATES	YES	
INTERNAL STANDARDS	YES	
COMPOUND IDENTIFICATION	YES	
COMPOUND QUANTITATION	NO	C, E, F, G, H
SYSTEM PERFORMANCE	YES	
FIELD DUPLICATE SAMPLE ANALYSIS	NO	D

## III. Validity and Comments

- A. The following results are qualified as nondetected and estimated due to storage blank, trip blank, and equipment blank contaminations, and are flagged "U,J" in Table 1A.

- Acetone in samples Y0GP9, Y0GQ8, Y0GQ9, Y0GR2, Y0GR2MS, Y0GR2MSD, and Y0GR5
- Chloroform in samples Y0GQ4 and Y0GR8
- Bromoform in sample Y0GR0

Acetone and chloroform were found in storage blank VHBLKLA at concentrations of 9 µg/L and 0.5 µg/L, respectively. Bromoform was found in trip blank Y0GQ9 and equipment blank Y0GR4 at concentrations of 0.5 µg/L and 0.5 µg/L, respectively. Results for the samples listed above are considered nondetected and estimated (U,J) and the quantitation limits have been increased according to the blank qualification rules presented below.

No positive results are reported unless the concentration of the compound in the sample exceeds 10 times the amount in any associated blank for the common laboratory contaminants or 5 times the amount for other compounds. If the sample result is greater than the CRQL, the quantitation limit is raised to the sample result (U,J). If the sample result is less than the CRQL, the result is reported as nondetected (U,J) at the CRQL.

*A storage blank is laboratory reagent water stored in a vial in the same area as the field samples. The storage blank is used to determine the level of contamination introduced by the laboratory during sample storage prior to analysis.*

*A trip blank is laboratory reagent water which is shipped from the laboratory to the field with the empty sample containers and back to the laboratory with the filled sample containers. A trip blank is intended to detect contaminants introduced during the transport of the samples to the laboratory, although any laboratory introduced contamination will also be present. Contaminants that are found in the trip blank which are absent in the laboratory blank could be indicative of a problem in transportation, storage, the bottle preparation procedure, or other indeterminate error.*

*An equipment blank is clean water that has been collected as a sample using decontaminated sampling equipment. The intent of an equipment blank is to monitor for contamination introduced by the sampling activity, although any laboratory introduced contamination will also be present.*

- B. Detected results and quantitation limits for the following analytes are qualified as estimated due to large percent differences (%Ds) in the continuing calibrations, and are flagged "J" in Table 1A.

- Bromomethane in samples Y0GP9, Y0GQ0, Y0GQ1, Y0GQ4, Y0GQ5, and method blank VBLKLY
- 2-Butanone in samples Y0GR1, Y0GR2, Y0GR2MS, Y0GR2MSD, Y0GR3, Y0GR4, Y0GR5, Y0GR8, and VBLKLA

A percent difference of -31.9% was observed for bromomethane in the continuing calibration performed on June 3, 2002. A percent difference of +32.6% was observed for 2-butanone in the continuing calibration performed on June 5, 2002. These values exceed the  $\pm 30.0\%$  validation criterion.

*The continuing calibration checks the instrument performance daily and produces the relative response factors (RRFs) for target analytes that are used for quantitation.*

- C. Detected results for the following analytes are qualified as estimated due to high analyte concentration, and are flagged "J" in Table 1A.

- Methyl tert-butyl ether and trichloroethene in sample Y0GR8

Concentrations of methyl tert-butyl ether and trichloroethene in the undiluted analysis of the sample were  $32 \mu\text{g/L}$  and  $26 \mu\text{g/L}$ , respectively. These values exceed the  $25 \mu\text{g/L}$  calibration range. The laboratory reanalyzed the sample at a 100-fold dilution, thus diluting out these analytes.

Results reported in Table 1A for these analytes are from the undiluted sample. These values are considered to be qualitatively acceptable but quantitatively questionable and should be considered as the minimum concentrations at which these analytes are present in the sample.

- D. In the analysis of the field duplicate pairs, the following outliers were obtained for the analytes listed below.

	Y0GQ1 (D1)	Y0GQ2 (D1)	
<u>Analyte</u>	<u>Conc. <math>\mu\text{g/L}</math></u>	<u>Conc. <math>\mu\text{g/L}</math></u>	<u>RPD</u>
1,1-Dichloroethene	25U	21	N/A
Carbon tetrachloride	25U	31	N/A
Chloroform	25U	180	N/A

  

	Y0GR8 (D2)	Y0GR9 (D2)	
<u>Analyte</u>	<u>Conc. <math>\mu\text{g/L}</math></u>	<u>Conc. <math>\mu\text{g/L}</math></u>	<u>RPD</u>
Dichlorodifluoromethane	3	10U	N/A
Methyl tert-butyl ether	32	22	37%
1,1-Dichloroethane	0.6	10U	N/A
1,1,1-Trichloroethane	2	10U	N/A
Benzene	0.9	10U	N/A

A relative percent differences (RPD) value is not calculated and is presented above as "N/A" when an analyte is detected in a sample but is nondetected (U) at the CRQL in the associated field duplicate sample. The effect the on data quality is not known.

It should be noted that sample Y0GR9 was analyzed at a 20-fold dilution, whereas sample Y0GR8 was analyzed undiluted. The lower concentrations detected in sample Y0GR8 were most likely diluted out in sample Y0GR9.

It should be noted that sample Y0GQ1 was analyzed at a 50-fold dilution, whereas sample Y0GQ2 was analyzed at a 20-fold dilution. The lower concentrations detected in sample Y0GQ2 were most likely diluted out in sample Y0GQ1.

A relative percent difference (RPD) of 37% was obtained for methyl tert-butyl ether in the analysis of field duplicate pair Y0GR8 and Y0GR9. The value obtained for methyl tert-butyl ether in sample Y0GR8 exceeded the calibration range and is considered to be quantitatively questionable. The effect on data quality is not known.

*The analysis of field duplicate samples is a measure of both field and analytical precision. The imprecision in the results of the analysis of the field duplicate pair may be due to the sample matrix or poor sampling or analysis techniques.*

- E. Sample Y0GQ5 was analyzed at a 10-fold dilution due to the high levels of trichlorofluoromethane and 1,1,2-trichloro-1,2,2-trifluoroethane. Results for trichlorofluoromethane and 1,1,2-trichloro-1,2,2-trifluoroethane are reported from the diluted sample in Table 1A; results for all other analytes are reported from the undiluted sample.
- F. Sample Y0GQ8 was analyzed at a 20-fold dilution due to the high levels of tetrachloroethene. Results for tetrachloroethene are reported from the diluted sample in Table 1A; results for all other analytes are reported from the undiluted sample.
- G. Sample Y0GR8 was analyzed at a 100-fold dilution due to the high levels of trichlorofluoromethane, 1,1-dichloroethene, 1,1,2-trichloro-1,2,2-trifluoroethane, and tetrachloroethene. Results for trichlorofluoromethane, 1,1-dichloroethene, 1,1,2-trichloro-1,2,2-trifluoroethane, and tetrachloroethene are reported from the diluted sample in Table 1A; results for all other analytes are reported from the undiluted sample.
- H. Samples Y0GQ0, Y0GQ1, Y0GQ2, Y0GQ3, Y0GQ4, Y0GQ7, Y0GR0, Y0GR1, Y0GR2, Y0GR2MS, Y0GR2MSD, Y0GR3, Y0GR6, and Y0GR7 were analyzed at dilutions due to the high levels of target analytes. The CRQLs listed for these samples in Table 1A have been multiplied by the dilution factors.

## ANALYTICAL RESULTS

Page 1 of 10

Case No. : 30499

SDG No. : Y0GP9

Tier 3 Table 1A

Site : OMEGA RECOVERY SERV.

Lab : CLAYTON GROUP SERVICES INC.

Reviewer : DENISE MCCAFFREY, ESAT/LDC

Date : 07/17/2002

QUALIFIED DATA

Analysis Type : Low Level Water Samples

Concentration in ug/L

For Volatiles

Station Location :	GW202-MW01A-2005			GW202-MW01A-0055			GW202-MW01B-0080			GW202-MW01B-1080			GW202-MW05A-0049			GW202-MW02A-0055			GW202-OW07-0081		
Sample ID :	Y0GP9 TB			Y0GQ0			Y0GQ1 D1			Y0GQ2 D1			Y0GQ3			Y0GQ4			Y0GQ5		
Collection Date :	05/28/2002			05/28/2002			05/28/2002			05/28/2002			05/28/2002			05/28/2002			05/29/2002		
Dilution Factor :	1.0			50.0			50.0			20.0			100.0			500.0			1.0		
Volatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Dichlorodifluoromethane	0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
Chloromethane	0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
Vinyl Chloride	0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
Bromomethane	0.5U	J	B	25U	J	BH	25U	J	BH	10U		H	50U		H	250U	J	BH	0.5U	J	B
Chloroethane	0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
Trichlorofluoromethane	0.5U			25U		H	25U		H	10U		H	380		H	680		H	46		E
1,1-Dichloroethene	0.5U			40		H	25U		DH	21		DH	1100		H	2200		H	1		
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5U			25U		H	25U		H	10U		H	1100		H	1900		H	62		E
Acetone	8U	J	A	250U		H	250U		H	100U		H	500U		H	2500U		H	5U		
Carbon Disulfide	0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
Methyl Acetate	0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
Methylene Chloride	0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
trans-1,2-Dichloroethene	0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
Methyl tert-Butyl Ether	0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
1,1-Dichloroethane	0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
cis-1,2-Dichloroethene	0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
2-Butanone	5U			250U		H	250U		H	100U		H	500U		H	2500U		H	5U		
Bromochloromethane	0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
Chloroform	0.5U			25U		H	25U		DH	180		DH	1200		H	860U	J	AH	0.5U		
1,1,1-Trichloroethane	0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
Cyclohexane	0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
Carbon Tetrachloride	0.5U			25U		H	25U		DH	31		DH	180		H	250U		H	0.5U		
Benzene	0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
1,2-Dichloroethane	0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
Trichloroethene	0.5U			440		H	210		H	200		H	830		H	830		H	2		
Methylcyclohexane	0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
1,2-Dichloropropane	0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
Bromodichloromethane	0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
cis-1,3-Dichloropropene	0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
4-Methyl-2-pentanone	5U			250U		H	250U		H	100U		H	500U		H	2500U		H	5U		
Toluene	0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
trans-1,3-Dichloropropene	0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
1,1,2-Trichloroethane	0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
Tetrachloroethene	0.5U			45		H	29		H	27		H	1400		H	3800		H	7		
2-Hexanone	5U			250U		H	250U		H	100U		H	500U		H	2500U		H	5U		
Dibromochloromethane	0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
1,2-Dibromoethane	0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		

## ANALYTICAL RESULTS

Page 2 of 10

Case No. : 30499 SDG No. : Y0GP9  
 Site : OMEGA RECOVERY SERV.  
 Lab : CLAYTON GROUP SERVICES INC.  
 Reviewer : DENISE MCCAFFREY, ESAT/LDC  
 Date : 07/17/2002

## Tier 3 Table 1A

QUALIFIED DATA  
 Concentration in ug/L

Analysis Type : Low Level Water Samples  
 For Volatiles

Station Location :			GW202-MW01A-2005			GW202-MW01A-0055			GW202-MW01B-0080			GW202-MW01B-1080			GW202-MW05A-0049			GW202-MW02A-0055			GW202-OW07-0081		
Sample ID :			Y0GP9			Y0GQ0			Y0GQ1			Y0GQ2			Y0GQ3			Y0GQ4			Y0GQ5		
Collection Date :			05/28/2002			05/28/2002			05/28/2002			05/28/2002			05/28/2002			05/28/2002			05/29/2002		
Dilution Factor :			1.0			50.0			50.0			20.0			100.0			500.0			1.0		
Volatile Compound			Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Chlorobenzene			0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
Ethylbenzene			0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
Xylenes (total)			0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
Styrene			0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
Bromoform			0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
Isopropylbenzene			0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
1,1,2,2-Tetrachloroethane			0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
1,3-Dichlorobenzene			0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
1,4-Dichlorobenzene			0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
1,2-Dichlorobenzene			0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
1,2-Dibromo-3-chloropropane			0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
1,2,4-Trichlorobenzene			0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		
1,2,3-Trichlorobenzene			0.5U			25U		H	25U		H	10U		H	50U		H	250U		H	0.5U		

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation Limit, N/A - Not Applicable, NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank, TB - Trip Blank, BG - Background Sample

## ANALYTICAL RESULTS

Page 3 of 10

Case No. : 30499 SDG No. : Y0GP9  
 Site : OMEGA RECOVERY SERV.  
 Lab : CLAYTON GROUP SERVICES INC.  
 Reviewer : DENISE MCCAFFREY, ESAT/LDC  
 Date : 07/17/2002

## Tier 3 Table 1A

QUALIFIED DATA  
 Concentration in ug/L

Analysis Type : Low Level Water Samples  
 For Volatiles

Station Location :	GW202-OW07-2006			GW202-OW1A-0080			GW202-OW1B-0116			GW202-OW8-2007			GW202-OW8-0075			GW202-OW4A-0073			GW202-OW4B-0125		
Sample ID :	Y0GQ6 TB			Y0GQ7			Y0GQ8			Y0GQ9 TB			Y0GR0			Y0GR1			Y0GR2		
Collection Date :	05/29/2002			05/29/2002			05/29/2002			05/30/2002			05/30/2002			05/30/2002			05/30/2002		
Dilution Factor :	1.0			5000.0			1.0			1.0			2000.0			2.5			2.5		
Volatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Dichlorodifluoromethane	0.5U			2500U		H	0.5U			0.5U			1000U		H	1U		H	1U		H
Chloromethane	0.5U			2500U		H	0.5U			0.5U			1000U		H	1U		H	1U		H
Vinyl Chloride	0.5U			2500U		H	2			0.5U			1000U		H	1U		H	1U		H
Bromomethane	0.5U			2500U		H	0.5U			0.5U			1000U		H	1U		H	1U		H
Chloroethane	0.5U			2500U		H	0.5U			0.5U			1000U		H	1U		H	1U		H
Trichlorofluoromethane	0.5U			2500U		H	0.7			0.5U			1000U		H	3		H	2		H
1,1-Dichloroethene	0.5U			2500U		H	4			0.5U			2400		H	15		H	5		H
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.5U			2500U		H	3			0.5U			2700		H	8		H	17		H
Acetone	5U			25000U		H	6U	J	A	8U	J	A	10000U		H	13U		H	180U	J	AH
Carbon Disulfide	0.5U			2500U		H	0.5U			0.5U			1000U		H	1U		H	1U		H
Methyl Acetate	0.5U			2500U		H	0.5U			0.5U			1000U		H	1U		H	1U		H
Methylene Chloride	0.5U			2500U		H	1			0.5U			1000U		H	1U		H	1U		H
trans-1,2-Dichloroethene	0.5U			2500U		H	0.5U			0.5U			1000U		H	1U		H	1U		H
Methyl tert-Butyl Ether	0.5U			2500U		H	0.5U			0.5U			1000U		H	1U		H	1U		H
1,1-Dichloroethane	0.5U			2500U		H	1			0.5U			1000U		H	1U		H	1U		H
cis-1,2-Dichloroethene	0.5U			2500U		H	0.9			0.5U			1000U		H	1U		H	1U		H
2-Butanone	5U			25000U		H	5U			5U			10000U		H	13U	J	BH	13U	J	BH
Bromochloromethane	0.5U			2500U		H	0.5U			0.5U			1000U		H	1U		H	1U		H
Chloroform	0.5U			2500U		H	0.5U			0.5U			1000U		H	28		H	1U		H
1,1,1-Trichloroethane	0.5U			3700		H	9			0.5U			1000U		H	1U		H	1U		H
Cyclohexane	0.5U			2500U		H	0.5U			0.5U			1000U		H	1U		H	1U		H
Carbon Tetrachloride	0.5U			2500U		H	0.5U			0.5U			1000U		H	1U		H	1U		H
Benzene	0.5U			2500U		H	2			0.5U			1000U		H	1U		H	1U		H
1,2-Dichloroethane	0.5U			2500U		H	1			0.5U			1000U		H	1U		H	1U		H
Trichloroethene	0.5U			2500U		H	6			0.5U			1100		H	33		H	2		H
Methylcyclohexane	0.5U			2500U		H	0.5U			0.5U			1000U		H	1U		H	1U		H
1,2-Dichloropropane	0.5U			2500U		H	0.5U			0.5U			1000U		H	1U		H	1U		H
Bromodichloromethane	0.5U			2500U		H	0.5U			0.5U			1000U		H	1U		H	1U		H
cis-1,3-Dichloropropene	0.5U			2500U		H	0.5U			0.5U			1000U		H	1U		H	1U		H
4-Methyl-2-pentanone	5U			25000U		H	5U			5U			10000U		H	13U		H	13U		H
Toluene	0.5U			2500U		H	0.5U			0.5U			1000U		H	1U		H	1U		H
trans-1,3-Dichloropropene	0.5U			2500U		H	0.5U			0.5U			1000U		H	1U		H	1U		H
1,1,2-Trichloroethane	0.5U			2500U		H	0.5U			0.5U			1000U		H	1U		H	1U		H
Tetrachloroethene	0.5U			59000		H	190		F	0.5U			14000		H	20		H	28		H
2-Hexanone	5U			25000U		H	5U			5U			10000U		H	13U		H	13U		H
Dibromochloromethane	0.5U			2500U		H	0.5U			0.5U			1000U		H	1U		H	1U		H
1,2-Dibromoethane	0.5U			2500U		H	0.5U			0.5U			1000U		H	1U		H	1U		H

## ANALYTICAL RESULTS

Page 4 of 10

Case No. : 30499 SDG No. : Y0GP9  
 Site : OMEGA RECOVERY SERV.  
 Lab : CLAYTON GROUP SERVICES INC.  
 Reviewer : DENISE MCCAFFREY, ESAT/LDC  
 Date : 07/17/2002

## Tier 3 Table 1A

QUALIFIED DATA  
 Concentration in ug/L

Analysis Type : Low Level Water Samples  
 For Volatiles

Station Location : GW202-OW07-2006				GW202-OW1A-0080				GW202-OW1B-0116				GW202-OW8-2007				GW202-OW8-0075				GW202-OW4A-0073				GW202-OW4B-0125			
Sample ID : Y0GQ6 TB				Y0GQ7				Y0GQ8				Y0GQ9 TB				Y0GR0				Y0GR1				Y0GR2			
Collection Date : 05/29/2002				05/29/2002				05/29/2002				05/30/2002				05/30/2002				05/30/2002				05/30/2002			
Dilution Factor : 1.0				5000.0				1.0				1.0				2000.0				2.5				2.5			
Volatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Chlorobenzene	0.5U			2500U		H	0.5U			0.5U			0.5U			1000U		H	1U		H	1U		H	1U		H
Ethylbenzene	0.5U			2500U		H	0.5U			0.5U			0.5U			1000U		H	1U		H	1U		H	1U		H
Xylenes (total)	0.5U			2500U		H	0.5U			0.5U			0.5U			1000U		H	1U		H	1U		H	1U		H
Styrene	0.5U			2500U		H	0.5U			0.5U			0.5U			1000U		H	1U		H	1U		H	1U		H
Bromofom	0.5U			2500U		H	0.5U			0.5			0.5			1200U	J	AH	1U		H	1U		H	1U		H
Isopropylbenzene	0.5U			2500U		H	0.5U			0.5U			0.5U			1000U		H	1U		H	1U		H	1U		H
1,1,2,2-Tetrachloroethane	0.5U			2500U		H	0.5U			0.5U			0.5U			1000U		H	1U		H	1U		H	1U		H
1,3-Dichlorobenzene	0.5U			2500U		H	0.5U			0.5U			0.5U			1000U		H	1U		H	1U		H	1U		H
1,4-Dichlorobenzene	0.5U			2500U		H	0.5U			0.5U			0.5U			1000U		H	1U		H	1U		H	1U		H
1,2-Dichlorobenzene	0.5U			2500U		H	0.5U			0.5U			0.5U			1000U		H	1U		H	1U		H	1U		H
1,2-Dibromo-3-chloropropane	0.5U			2500U		H	0.5U			0.5U			0.5U			1000U		H	1U		H	1U		H	1U		H
1,2,4-Trichlorobenzene	0.5U			2500U		H	0.5U			0.5U			0.5U			1000U		H	1U		H	1U		H	1U		H
1,2,3-Trichlorobenzene	0.5U			2500U		H	0.5U			0.5U			0.5U			1000U		H	1U		H	1U		H	1U		H

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation Limit, N/A - Not Applicable, NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank, TB - Trip Blank, BG - Background Sample

## ANALYTICAL RESULTS

Page 5 of 10

Case No. : 30499

SDG No. : Y0GP9

Tier 3 Table 1A

Site : OMEGA RECOVERY SERV.

Lab : CLAYTON GROUP SERVICES INC.

Reviewer : DENISE MCCAFFREY, ESAT/LDC

Date : 07/17/2002

## QUALIFIED DATA

Analysis Type : Low Level Water Samples

Concentration in ug/L

For Volatiles

Station Location : GW202-OW5-0048			GW202-OW5-4001			GW202-OW3-2008			GW202-OW3-0080			GW202-OW2-0078			GW202-OW6-0048			GW202-OW4B-0125			
Sample ID : Y0GR3			Y0GR4			Y0GR5			Y0GR6			Y0GR7			Y0GR8			Y0GR2MS			
Collection Date : 05/30/2002			05/30/2002			05/31/2002			05/31/2002			05/31/2002			05/31/2002			05/30/2002			
Dilution Factor : 20.0			1.0			1.0			200.0			100.0			1.0			2.5			
Volatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Dichlorodifluoromethane	10U		H	0.5U			0.5U			100U		H	50U		H	3		D	1U		H
Chloromethane	10U		H	0.5U			0.5U			100U		H	50U		H	0.5U			1U		H
Vinyl Chloride	10U		H	0.5U			0.5U			100U		H	50U		H	0.5U			1U		H
Bromomethane	10U		H	0.5U			0.5U			100U		H	50U		H	0.5U			1U		H
Chloroethane	10U		H	0.5U			0.5U			100U		H	50U		H	0.5U			1U		H
Trichlorofluoromethane	32		H	0.5U			0.5U			330		H	390		H	380		G	2		H
1,1-Dichloroethene	10U		H	0.5U			0.5U			1500		H	550		H	240		G	22		H
1,1,2-Trichloro-1,2,2-trifluoroethane	160		H	0.5U			0.5U			530		H	1800		H	780		G	17		H
Acetone	100U		H	5U			8U	J	A	1000U		H	500U		H	5U			180U	J	AH
Carbon Disulfide	10U		H	0.5U			0.5U			100U		H	50U		H	0.5U			1U		H
Methyl Acetate	10U		H	0.5U			0.5U			100U		H	50U		H	0.5U			1U		H
Methylene Chloride	10U		H	0.5U			0.5U			100U		H	50U		H	0.5U			1U		H
trans-1,2-Dichloroethene	10U		H	0.5U			0.5U			100U		H	50U		H	0.5U			1U		H
Methyl tert-Butyl Ether	10U		H	0.5U			0.5U			100U		H	50U		H	32	J	CD	1U		H
1,1-Dichloroethane	10U		H	0.5U			0.5U			100U		H	50U		H	0.6		D	1U		H
cis-1,2-Dichloroethene	20		H	0.5U			0.5U			100U		H	50U		H	0.5U			1U		H
2-Butanone	100U	J	BH	5U	J	B	5U	J	B	1000U		H	500U		H	5U	J	B	13U	J	BH
Bromochloromethane	10U		H	0.5U			0.5U			100U		H	50U		H	0.5U			1U		H
Chloroform	10U		H	0.5U			0.5U			100U		H	50U		H	5U	J	A	1U		H
1,1,1-Trichloroethane	10U		H	0.5U			0.5U			100U		H	50U		H	2		D	1U		H
Cyclohexane	10U		H	0.5U			0.5U			100U		H	50U		H	0.5U			1U		H
Carbon Tetrachloride	10U		H	0.5U			0.5U			100U		H	50U		H	0.5U			1U		H
Benzene	10U		H	0.5U			0.5U			100U		H	50U		H	0.9		D	15		H
1,2-Dichloroethane	10U		H	0.5U			0.5U			100U		H	50U		H	0.5U			1U		H
Trichloroethene	390		H	0.5U			0.5U			180		H	180		H	26	J	C	15		H
Methylcyclohexane	10U		H	0.5U			0.5U			100U		H	50U		H	0.5U			1U		H
1,2-Dichloropropane	10U		H	0.5U			0.5U			100U		H	50U		H	0.5U			1U		H
Bromodichloromethane	10U		H	0.5U			0.5U			100U		H	50U		H	0.5U			1U		H
cis-1,3-Dichloropropene	10U		H	0.5U			0.5U			100U		H	50U		H	0.5U			1U		H
4-Methyl-2-pentanone	100U		H	5U			5U			1000U		H	500U		H	5U			13U		H
Toluene	10U		H	0.5U			0.5U			100U		H	50U		H	0.5U			14		H
trans-1,3-Dichloropropene	10U		H	0.5U			0.5U			100U		H	50U		H	0.5U			1U		H
1,1,2-Trichloroethane	10U		H	0.5U			0.5U			100U		H	50U		H	0.5U			1U		H
Tetrachloroethene	150		H	0.5U			0.5U			1700		H	1000		H	150		G	29		H
2-Hexanone	100U		H	5U			5U			1000U		H	500U		H	5U			13U		H
Dibromochloromethane	10U		H	0.5U			0.5U			100U		H	50U		H	0.5U			1U		H
1,2-Dibromoethane	10U		H	0.5U			0.5U			100U		H	50U		H	0.5U			1U		H

## ANALYTICAL RESULTS

Page 6 of 10

Case No. : 30499 SDG No. : Y0GP9  
 Site : OMEGA RECOVERY SERV.  
 Lab : CLAYTON GROUP SERVICES INC.  
 Reviewer : DENISE MCCAFFREY, ESAT/LDC  
 Date : 07/17/2002

## Tier 3 Table 1A

QUALIFIED DATA  
 Concentration in ug/L

Analysis Type : Low Level Water Samples  
 For Volatiles

Station Location : GW202-OW5-0048				GW202-OW5-4001				GW202-OW3-2008				GW202-OW3-0080				GW202-OW2-0078				GW202-OW6-0048				GW202-OW4B-0125			
Sample ID : Y0GR3				Y0GR4 EB				Y0GR5 TB				Y0GR6				Y0GR7				Y0GR8 D2				Y0GR2MS			
Collection Date : 05/30/2002				05/30/2002				05/31/2002				05/31/2002				05/31/2002				05/31/2002				05/30/2002			
Dilution Factor : 20.0				1.0				1.0				200.0				100.0				1.0				2.5			
Volatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Chlorobenzene	10U		H	0.5U			0.5U			100U		H	50U		H	0.5U			13			1U			1U		H
Ethylbenzene	10U		H	0.5U			0.5U			100U		H	50U		H	0.5U			1U			1U			1U		H
Xylenes (total)	10U		H	0.5U			0.5U			100U		H	50U		H	0.5U			1U			1U			1U		H
Styrene	10U		H	0.5U			0.5U			100U		H	50U		H	0.5U			1U			1U			1U		H
Bromoform	10U		H	0.5			0.5U			100U		H	50U		H	0.5U			1U			1U			1U		H
Isopropylbenzene	10U		H	0.5U			0.5U			100U		H	50U		H	0.5U			1U			1U			1U		H
1,1,2,2-Tetrachloroethane	10U		H	0.5U			0.5U			100U		H	50U		H	0.5U			1U			1U			1U		H
1,3-Dichlorobenzene	10U		H	0.5U			0.5U			100U		H	50U		H	0.5U			1U			1U			1U		H
1,4-Dichlorobenzene	10U		H	0.5U			0.5U			100U		H	50U		H	0.5U			1U			1U			1U		H
1,2-Dichlorobenzene	10U		H	0.5U			0.5U			100U		H	50U		H	0.5U			1U			1U			1U		H
1,2-Dibromo-3-chloropropane	10U		H	0.5U			0.5U			100U		H	50U		H	0.5U			1U			1U			1U		H
1,2,4-Trichlorobenzene	10U		H	0.5U			0.5U			100U		H	50U		H	0.5U			1U			1U			1U		H
1,2,3-Trichlorobenzene	10U		H	0.5U			0.5U			100U		H	50U		H	0.5U			1U			1U			1U		H

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation Limit, N/A - Not Applicable, NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank, TB - Trip Blank, BG - Background Sample

SDG No. : Y0GP9

Lab : CLAYTON GROUP SERVICES INC.

### QUALIFIED DATA

**Analysis Type :** Low Level Water Samples

Concentration in ug/L

### For Volatiles

Station Location : GW202-OW4B-0125				Method Blank VBLKLA			Method Blank VBLKLB			Method Blank VBLKLC			Method Blank VBLKLY			Method Blank VBLKLZ			Storage Blank VHBLKLA		
Sample ID : Y0GR2MSD																					
Collection Date : 05/30/2002																					
Dilution Factor : 2.5				1.0			1.0			1.0			1.0			1.0			1.0		
Volatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Dichlorodifluoromethane	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
Chloromethane	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
Vinyl Chloride	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
Bromomethane	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
Chloroethane	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
Trichlorofluoromethane	2		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
1,1-Dichloroethene	20		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
1,1,2-Trichloro-1,2,2-trifluoroethane	15		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
Acetone	160U	J	AH	5U			5U			5U			5U			5U			5U		
Carbon Disulfide	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
Methyl Acetate	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
Methylene Chloride	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
trans-1,2-Dichloroethene	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
Methyl tert-Butyl Ether	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
1,1-Dichloroethane	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
cis-1,2-Dichloroethene	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
2-Butanone	13U	J	BH	5U	J	B	5U			5U			5U			5U			5U		
Bromochloromethane	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
Chloroform	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
1,1,1-Trichloroethane	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
Cyclohexane	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
Carbon Tetrachloride	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
Benzene	14		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
1,2-Dichloroethane	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
Trichloroethene	14		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
Methylcyclohexane	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
1,2-Dichloropropane	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
Bromodichloromethane	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
cis-1,3-Dichloropropene	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
4-Methyl-2-pentanone	13U		H	5U			5U			5U			5U			5U			5U		
Toluene	13		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
trans-1,3-Dichloropropene	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
1,1,2-Trichloroethane	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
Tetrachloroethene	27		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
2-Hexanone	13U		H	5U			5U			5U			5U			5U			5U		
Dibromochloromethane	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
1,2-Dibromoethane	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		

## ANALYTICAL RESULTS

Page 8 of 10

Case No. : 30499

SDG No. : Y0GP9

Tier 3 Table 1A

Site : OMEGA RECOVERY SERV.

Lab : CLAYTON GROUP SERVICES INC.

Reviewer : DENISE MCCAFFREY, ESAT/LDC

Date : 07/17/2002

## QUALIFIED DATA

Analysis Type : Low Level Water Samples

Concentration in ug/L

For Volatiles

Station Location : GW202-OW4B-0125				Method Blank VBLKLA			Method Blank VBLKLB			Method Blank VBLKLC			Method Blank VBLKLY			Method Blank VBLKLZ			Storage Blank VHBLKLA		
Sample ID : Y0GR2MSD				1.0			1.0			1.0			1.0			1.0			1.0		
Collection Date : 05/30/2002																					
Dilution Factor : 2.5																					
Volatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Chlorobenzene	13		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
Ethylbenzene	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
Xylenes (total)	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
Styrene	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
Bromofom	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
Isopropylbenzene	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
1,1,2,2-Tetrachloroethane	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
1,3-Dichlorobenzene	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
1,4-Dichlorobenzene	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
1,2-Dichlorobenzene	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
1,2-Dibromo-3-chloropropane	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
1,2,4-Trichlorobenzene	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		
1,2,3-Trichlorobenzene	1U		H	0.5U			0.5U			0.5U			0.5U			0.5U			0.5U		

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation Limit, N/A - Not Applicable, NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank, TB - Trip Blank, BG - Background Sample

Tier 3 Table 1A

**Analysis Type :** Low Level Water Samples

### For Volatiles

[illegible]

## ANALYTICAL RESULTS

Case No. : 30499

SDG No. : Y0GP9

Tier 3 Table 1A

Site : OMEGA RECOVERY SERV.

Lab : CLAYTON GROUP SERVICES INC.

Reviewer : DENISE MCCAFFREY, ESAT/LDC

Date : 07/17/2002

QUALIFIED DATA  
Concentration in ug/LAnalysis Type : Low Level Water Samples  
For Volatiles

Station Location :																					
Sample ID :	CRQL																				
Collection Date :																					
Dilution Factor :																					
Volatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Chlorobenzene	0.5																				
Ethylbenzene	0.5																				
Xylenes (total)	0.5																				
Styrene	0.5																				
Bromoform	0.5																				
Isopropylbenzene	0.5																				
1,1,2,2-Tetrachloroethane	0.5																				
1,3-Dichlorobenzene	0.5																				
1,4-Dichlorobenzene	0.5																				
1,2-Dichlorobenzene	0.5																				
1,2-Dibromo-3-chloropropane	0.5																				
1,2,4-Trichlorobenzene	0.5																				
1,2,3-Trichlorobenzene	0.5																				

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation Limit, N/A - Not Applicable, NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank, TB - Trip Blank, BG - Background Sample

**TABLE 1B**  
**DATA QUALIFIER DEFINITIONS FOR ORGANIC DATA REVIEW**

The definitions of the following qualifiers are prepared according to the document, "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review," February 1994.

- U    The analyte was analyzed for but was not detected above the reported sample quantitation limit.
- L    Indicates results which fall below the Contract Required Quantitation Limit. Results are estimated and are considered qualitatively acceptable but quantitatively unreliable due to uncertainties in the analytical precision near the limit of detection.
- J    The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- NJ   The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
- UJ   The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R    The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

1LCF

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS  
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name Clayton Group ServicesContract 68-W-01-046

Y0GP9

Lab Code CLAYTNCase No. 30499

Client No. \_\_\_\_\_

SDG No. Y0GP9Lab Sample ID: 02050973-001ADate Received: 05/29/2002Lab File ID: L1029.DDate Analyzed: 06/03/2002Purge Volume: 25 (ML)Dilution Factor: 1.00GC Column DB-VRXID: 0.25

(MM)

Length: 60

(M)

Number TICs found: 7

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01		unknown (4.68)	4.68	3.6	J
02	1455-13-16	<del>Methanol-d4</del> (in method blank)	<del>5.52</del>	54	BJN
03		<del>unknown (8.19)</del> (column bleed)	<del>8.19</del>	0.90	J
04	001066-40-6	<del>Silanol, trimethyl</del> ↓	<del>10.02</del>	2.8	NJ
05	0000-00-0	<del>cis-1,3-Dichloropropene d4</del> (in method blank)	<del>14.77</del>	2.5	BJN
06		<del>unknown (20.37)</del>	<del>20.37</del>	1.0	BJ
07		<del>unknown (22.27)</del> ↓	<del>22.27</del>	0.80	BJ

SL, 7/16/02.

1LCF

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS  
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name Clayton Group ServicesContract 68-W-01-046

Y0GQ0

Lab Code CLAYTNCase No. 30499

Client No. \_\_\_\_\_

SDG No. Y0GP9Lab Sample ID: 02050973-002ADate Received: 05/29/2002Lab File ID: L1023.DDate Analyzed: 06/03/2002Purge Volume: 25 (ML)Dilution Factor: 50.00GC Column DB-VRXID: 0.25

(MM)

Length: 60

(M)

Number TICs found:

5

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01		unknown (5.29)	5.29	55	J
02	1455-13-16	Methanol-d4 <i>(in method blank)</i>	<del>5.50</del>	1300	BJN
03	0000-00-0	cis-1,3-Dichloropropene-d4	<del>14.77</del>	130	BJN
04		unknown (20.37)	<del>20.37</del>	55	BJ
05		unknown (22.27)	<del>22.27</del>	45	BJ

SL, 7/16/02.

1LCF

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS  
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name Clayton Group ServicesContract 68-W-01-046

Y0GQ1

Lab Code CLAYTNCase No. 30499

Client No. \_\_\_\_\_

SDG No. Y0GP9Lab Sample ID: 02050973-003ADate Received: 05/29/2002Lab File ID: L1026.DDate Analyzed: 06/03/2002Purge Volume: 25 (ML)Dilution Factor: 50.00GC Column DB-VRXID: 0.25

(MM)

Length: 60

(M)

Number TICs found: 4

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01		unknown (5.31)	5.31	30	J
02	1455-13-16	<del>Methanol-d4</del> (in method blank)	5.53	2500	BJN
03	0000-00-0	cis-1,3-Dichloropropene-d4	14.77	120	BJN
04		unknown (22.28)	22.28	30	BJ

SL, 7/16/02.

## 1LCF

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS  
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name Clayton Group ServicesContract 68-W-01-046

Y0GQ2

Lab Code CLAYTNCase No. 30499

Client No. \_\_\_\_\_

SDG No. Y0GP9Lab Sample ID: 02050973-004ADate Received: 05/29/2002Lab File ID: L1084.DDate Analyzed: 06/07/2002Purge Volume: 25 (ML)Dilution Factor: 20.00GC Column DB-VRXID: 0.25

(MM)

Length: 60

(M)

Number TICs found: 5

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01		unknown (5.29)	5.29	110	J
02	1455-13-16	<del>Methanol-d4</del> (in method blank)	<del>5.50</del>	960	BJN
03	0000-00-0	<del>cis-1,3-Dichloropropene-d4</del>	<del>14.76</del>	48	BJN
04	000000-00-0	<del>n-Decane-D22</del>	<del>20.37</del>	20	NJ
05		unknown (22.27)	<del>22.27</del>	14	BJ

SL, 7/16/02.

1LCF

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS  
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name Clayton Group ServicesContract 68-W-01-046

Y0GQ3

Lab Code CLAYTNCase No. 30499

Client No. \_\_\_\_\_

SDG No. Y0GP9Lab Sample ID: 02050973-005ADate Received: 05/29/2002Lab File ID: L1085.DDate Analyzed: 06/07/2002Purge Volume: 25 (ML)Dilution Factor: 100.00GC Column DB-VRXID: 0.25

(MM)

Length: 60

(M)

Number TICs found: 5

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01		unknown (5.29)	5.29	540	J
02	1455-13-16	Methanol-d4 (in method blank)	<del>5.52</del>	4900	BJN
03	0000-00-0	cis-1,3-Dichloropropene-d4	<del>14.75</del>	220	BJN
04		unknown (20.37)	<del>20.37</del>	90	BJ
05		unknown (22.27)	<del>22.27</del>	70	BJ

SL, 7/16/02.

1LCF

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS  
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name Clayton Group ServicesContract 68-W-01-046

Y0GQ4

Lab Code CLAYTNCase No. 30499

Client No. \_\_\_\_\_

SDG No. Y0GP9Lab Sample ID: 02050973-006ADate Received: 05/29/2002Lab File ID: L1028.DDate Analyzed: 06/03/2002Purge Volume: 25 (ML)Dilution Factor: 500.00GC Column DB-VRXID: 0.25

(MM)

Length: 60

(M)

Number TICs found:

4

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01		unknown (5.31)	5.31	350	J
02	1455-13-16	Methanol-d4 (in methanol blank)	5.52	27000	BJN
03	0000-00-0	cis-1,3-Dichloropropene-d4	14.77	1400	BJN
04		unknown (22.27)	22.27	350	BJ

SL, 7/16/02.

1LCF

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS  
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name Clayton Group ServicesContract 68-W-01-046

Y0GQ5

Lab Code CLAYTNCase No. 30499

Client No. \_\_\_\_\_

SDG No. Y0GP9Lab Sample ID: 02050973-012ADate Received: 05/30/2002Lab File ID: L1030.DDate Analyzed: 06/03/2002Purge Volume: 25 (ML)Dilution Factor: 1.00GC Column DB-VRXID: 0.25

(MM)

Length: 60

(M)

Number TICs found: 4

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01	1455-13-16	Methanol-d4 (in method blank)	<del>5.52</del>	51	BJN
02		unknown (6.89) Dichlorotrifluoroethane	6.89	61	J
03	0000-00-0	cis-1,3-Dichloropropene-d4 (in method blank)	<del>14.77</del>	2.6	BJN
04		unknown (22.28) ↓	<del>22.28</del>	0.60	J

SL, 7/16/02

1LCF

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS  
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name Clayton Group ServicesContract 68-W-01-046

Y0GQ6

Lab Code CLAYTNCase No. 30499

Client No. \_\_\_\_\_

SDG No. Y0GP9Lab Sample ID: 02050973-013ADate Received: 05/30/2002Lab File ID: L1037.DDate Analyzed: 06/04/2002Purge Volume: 25 (ML)Dilution Factor: 1.00GC Column DB-VRXID: 0.25

(MM)

Length: 60

(M)

Number TICs found: 4

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01	1455-13-16	<del>Methanol-d4 (in method blank)</del>	<del>5.52</del>	51	BJN
02		<del>unknown (10.02) (column bleed)</del>	<del>10.02</del>	0.70	J
03	0000-00-0	<del>cis-1,3-Dichloropropene-d4 (in method blank)</del>	<del>14.77</del>	2.5	BJN
04		<del>unknown (22.27)</del>	<del>22.27</del>	0.60	BJ

SL, 7/6/02

1LCF

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS  
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name Clayton Group ServicesContract 68-W-01-046

Y0GQ7

Lab Code CLAYTNCase No. 30499

Client No. \_\_\_\_\_

SDG No. Y0GP9Lab Sample ID: 02050973-014ADate Received: 05/30/2002Lab File ID: L1038.DDate Analyzed: 06/04/2002Purge Volume: 25 (ML)Dilution Factor: 5,000.00GC Column DB-VRXID: 0.25

(MM)

Length: 60

(M)

Number TICs found: 5

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01		unknown (5.3)	5.30	3000	J
02	1455-13-16	<del>Methanol-d4</del> (in method blank)	<del>5.52</del>	240000	BJN
03	0000-00-0	<del>cis-1,3-Dichloropropene-d4</del>	<del>14.76</del>	12000	BJN
04		<del>unknown (20.37)</del>	<del>20.37</del>	5000	BJ
05		<del>unknown (22.27)</del>	<del>22.27</del>	3500	BJ

SL, 7/6/02,

## 1LCF

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS  
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name Clayton Group ServicesContract 68-W-01-046

Y0GQ8

Lab Code CLAYTNCase No. 30499

Client No. \_\_\_\_\_

SDG No. Y0GP9Lab Sample ID: 02050973-015ADate Received: 05/30/2002Lab File ID: L1039.DDate Analyzed: 06/04/2002Purge Volume: 25 (ML)Dilution Factor: 1.00GC Column LB-VRXID: 0.25

(MM)

Length: 60

(M)

Number TICs found: 5

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01	1455-13-16	Methanol d4 (in method blank)	5.52	41	BJN
02		unknown (6.9) Dichlorotrifluoroethane	6.90	0.80	J
03	0000-00-0	cis-1,3-Dichloropropene d4 (in method blank)	14.77	2.3	BJN
04		unknown (20.37)	20.37	0.90	BJ
05		unknown (22.27)	22.27	0.70	BJ

SL, 7/6/02.

## 1LCF

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS  
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name Clayton Group ServicesContract 68-W-01-046

Y0GQ9

Lab Code CLAYTNCase No. 30499

Client No. \_\_\_\_\_

SDG No. Y0GP9Lab Sample ID: 02050973-016ADate Received: 05/31/2002Lab File ID: L1043.DDate Analyzed: 06/04/2002Purge Volume: 25 (ML)Dilution Factor: 1.00GC Column DB-VRXID: 0.25

(MM)

Length: 60

(M)

Number TICs found: 6

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01	1455-13-16	Methanol-d4 (in method blank)	<del>5.51</del>	53	BJN
02		unknown (8.17) (column bleed)	<del>8.17</del>	1.5	J
03	001066-40-6	Silanol, trimethyl-	<del>10.02</del>	3.5	NJ
04	0000-00-0	cis-1,3-Dichloropropene-d4 (in method blank)	<del>14.78</del>	2.4	BJN
05	000000-00-0	n-Decane-D22	<del>20.37</del>	1.0	NJ
06		unknown (22.27)	<del>22.27</del>	0.80	BJ

SL, 7/16/02.

## 1LCF

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS  
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name Clayton Group ServicesContract 68-W-01-046

Y0GR0

Lab Code CLAYTNCase No. 30499

Client No. \_\_\_\_\_

SDG No. Y0GP9Lab Sample ID: 02050973-017ADate Received: 05/31/2002Lab File ID: L1044.DDate Analyzed: 06/04/2002Purge Volume: 25 (ML)Dilution Factor: 2,000.00GC Column DB-VRXID: 0.25

(MM)

Length: 60

(M)

Number TICs found: 5

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01		unknown (5.29)	5.29	3600	J
02	1455-13-16	Methanol-d4 <i>(in method blank)</i>	<del>5.50</del>	92000	BJN
03	0000-00-0	cis-1,3-Dichloropropene-d4	<del>14.78</del>	4400	BJN
04		unknown (20.37)	<del>20.37</del>	1800	BJ
05		unknown (22.27)	<del>22.27</del>	1400	BJ

SL, 7/16/02.

1LCF

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS  
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name Clayton Group ServicesContract 68-W-01-046

Y0GR1

Lab Code CLAYTNCase No. 30499

Client No. \_\_\_\_\_

SDG No. Y0GP9Lab Sample ID: 02050973-018ADate Received: 05/31/2002Lab File ID: L1057.DDate Analyzed: 06/05/2002Purge Volume: 25 (ML)Dilution Factor: 2.50GC Column DB-VRXID: 0.25

(MM)

Length: 60

(M)

Number TICs found: 4

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01	1455-13-16	Methanol-d4 (in method blank)	<del>5.52</del>	130	BJN
02	0000-00-0	cis-1,3-Dichloropropene-d4	<del>14.78</del>	5.8	BJN
03	000000-00-0	n-Decane-D22	<del>20.37</del>	2.5	NJ
04		unknown (22.27)	<del>22.27</del>	2.0	BJ

SL, 7/16/02.

1LCF

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS  
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name Clayton Group ServicesContract 68-W-01-046

Y0GR2

Lab Code CLAYTNCase No. 30499

Client N. \_\_\_\_\_

SDG No. Y0GP9Lab Sample ID: 02050973-019ADate Received: 05/31/2002Lab File ID: L1054.DDate Analyzed: 06/05/2002Purge Volume: 25 (ML)Dilution Factor: 2.50GC Column DB-VRXID: 0.25

(MM)

Length: 60

(M)

Number TICs found:

5

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01		unknown (5.29)	5.29	1.3	J
02	1455-13-16	<del>Methanol-d4</del> (in method blank)	<del>5.52</del>	120	BJN
03		unknown (7.61)	7.61	2.8	J
04	0000-00-0	<del>cis-1,3-Dichloropropene-d4</del> (in method blank)	<del>14.77</del>	6.0	BJN
05		<del>unknown (22.28)</del>	<del>22.28</del>	2.5	BJ

SL, 7/16/02.

1LCF

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS  
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name Clayton Group ServicesContract 68-W-01-046

Y0GR3

Lab Code CLAYTNCase No. 30499

Client No. \_\_\_\_\_

SDG No. Y0GP9Lab Sample ID: 02050973-020ADate Received: 05/31/2002Lab File ID: L1058.DDate Analyzed: 06/05/2002Purge Volume: 25 (ML)Dilution Factor: 20.00GC Column DB-VRXID: 0.25

(MM)

Length: 60

(M)

Number TICs found: 4

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01	1455-13-16	Methanol-d4 (In needed blank)	5.52	1100	BJN
02	0000-00-0	cis-1,3-Dichloropropene-d4	14.77	46	BJN
03		unknown (20.37)	20.37	20	BJ
04		unknown (22.27)	22.27	16	BJ

SL, 7/16/02.

## 1LCF

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS  
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name Clayton Group ServicesContract 68-W-01-046

Y0GR4

Lab Code CLAYTNCase No. 30499

Client No. \_\_\_\_\_

SDG No. Y0GP9Lab Sample ID: 02050973-021ADate Received: 05/31/2002Lab File ID: L1060.DDate Analyzed: 06/05/2002Purge Volume: 25 (ML)Dilution Factor: 1.00GC Column DB-VRXID: 0.25

(MM)

Length: 60

(M)

Number TICs found: 6

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01	1455-13-16	Methanol-d4 (in method blank)	<del>5.52</del>	52	BJN
02		unknown (6.85) Dichlorodifluoroethane	6.85	1.6	J
03		unknown (10.02) (column bleed)	<del>10.02</del>	0.50	J
04	0000-00-0	cis-1,3-Dichloropropene-d4 (in method blank)	<del>14.78</del>	2.4	BJN
05		unknown (20.37)	<del>20.37</del>	1.0	BJ
06		unknown (22.27)	<del>22.27</del>	0.70	BJ

SL 7/16/02

1LCF

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS  
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name Clayton Group Services

Contract 68-W-01-046

Y0GR5

Lab Code CLAYTN

Case No. 30499

Client No. \_\_\_\_\_

SDG No. Y0GP9

Lab Sample ID: 02050973-022A

Date Received: 06/01/2002

Lab File ID: L1062.D

Date Analyzed: 06/05/2002

Purge Volume: 25 (ML)

Dilution Factor: 1.00

GC Column DB-VRX

ID: 0.25

(MM)

Length: 60

(M)

Number TICs found: 5

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01	1455-13-16	Methanol-d4 (in method blank)	5.52	53	BJN
02		unknown (8.18) (column bleed)	8.18	1.4	J
03	001066-40-6	Silanol, trimethyl-	10.01	3.0	NJ
04	0000-00-0	cis-1,3-Dichloropropene-d4 (in method blank)	14.77	2.4	BJN
05		unknown (22.27)-	22.27	0.60	BJ

SL, 7/16/02.

1LCF

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS  
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name Clayton Group ServicesContract 68-W-01-046

Y0GR6

Lab Code CLAYTNCase No. 30499

Client No. \_\_\_\_\_

SDG No. Y0GP9Lab Sample ID: 02050973-023ADate Received: 06/01/2002Lab File ID: L1073.DDate Analyzed: 06/06/2002Purge Volume: 25 (ML)Dilution Factor: 200.00GC Column DB-VRXID: 0.25

(MM)

Length: 60

(M)

Number TICs found: 5

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01		unknown (5.29)	5.29	220	J
02	1455-13-16	<del>Methanol-d4</del> (in method blank)	<del>5.52</del>	10000	BJN
03	0000-00-0	<del>cis-1,3-Dichloropropene-d4</del>	<del>14.75</del>	440	BJN
04		unknown (20.37)	<del>20.37</del>	200	BJ
05		unknown (22.27)	<del>22.27</del>	140	BJ

SL, 7/16/02.

1LCF

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS  
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name Clayton Group ServicesContract 68-W-01-046

Y0GR7

Lab Code CLAYTNCase No. 30499

Client No. \_\_\_\_\_

SDG No. Y0GP9Lab Sample ID: 02050973-024ADate Received: 06/01/2002Lab File ID: L1074.DDate Analyzed: 06/06/2002Purge Volume: 25 (ML)Dilution Factor: 100.00IC Column DB-VRXID: 0.25

(MM)

Length: 60

(M)

Number TICs found:

4

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01		unknown (5.29)	5.29	110	J
02	1455-13-16	<del>Methanol-d4</del> (in method blank)	<del>5.53</del>	5400	BJN
03	0000-00-0	<del>cis-1,3-Dichloropropene-d4</del>	<del>14.77</del>	240	BJN
04		unknown (22.27)	<del>22.27</del>	60	BJ

SL, 7/16/02.

1LCF

LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS  
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name Clayton Group ServicesContract 68-W-01-046

Y0GR8

Lab Code CLAYTNCase No. 30499

Client No. \_\_\_\_\_

SDG No. Y0GP9Lab Sample ID: 02050973-025ADate Received: 06/01/2002Lab File ID: L1063.DDate Analyzed: 06/05/2002Purge Volume: 25 (ML)Dilution Factor: 1.00GC Column DB-VRXID: 0.25

(MM)

Length: 60

(M)

Number TICs found: 8

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01	1455-13-16	Methanol-d4 ( <i>in method blank</i> )	<del>5.52</del>	50	BJN
02		unknown (5.94)	5.94	1.0	J
03	000354-23-4	Ethane, 1,2-dichloro-1,1,2-trifluoro-	6.90	17	NJ
04	000076-12-0	Ethane, 1,1,2,2-tetrachloro-1,2-difluoro	12.72	1.5	NJ
05	0000-00-0	cis-1,3-Dichloropropene-d4 ( <i>in method blank</i> )	<del>14.78</del>	2.3	BJN
06		unknown (20.37) ↓	<del>20.37</del>	0.90	BJ
07	000135-98-8	Benzene, (1-methylpropyl)-	21.73	0.60	NJ
08		unknown (22.27) ( <i>in method blank</i> )	<del>22.27</del>	0.80	BJ

SL, 7/16/02.

**Tentatively Identified Alkanes of Volatiles Analysis**

EPA Sample No.	n-Alkane (ug/L)	Branched Alkane (ug/L)	Cyclic Alkane (ug/L)
Y0GP9	0	0	0
Y0GQ0	0	0	0
Y0GQ1	0	0	0
Y0GQ2	0	0	0
Y0GQ3	0	0	0
Y0GQ4	0	0	0
Y0GQ5	0	0	0
Y0GQ5DL	0	0	0
Y0GQ6	0	0	0
Y0GQ7	0	0	0
Y0GQ8	0	0	0
Y0GQ8DL	0	0	0
Y0GQ9	0	0	0
Y0GR0	0	0	0
Y0GR1	0	0	0
Y0GR2	1	0	0
Y0GR2MS			
Y0GR2MSD			
Y0GR3	0	0	0
Y0GR4	0	0	0
Y0GR5	0	0	0
Y0GR6	0	0	0
Y0GR7	0	0	0
Y0GR8	0	7	0
Y0GR8DL	0	0	0
VBLKLA	0	0	0
VBLKLB	0	0	0
VBLKLC	0	0	0
VBLKLY	0	0	0
VBLKLZ	0	0	0
VHBLKLA	0	0	0
VIBLKLA	0	0	0

Summary of Resolution: To be determined.